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ABSTRACT

This study focuses exclusively on independent higher education institutions in Michigan. It includes an analysis of recent enrollment, cost, and revenue trends by institution (with comparisons to the public sector) and projections to 1980 and 1985 on a statewide basis. The study was completed using primarily HEGIS data, and some data on competitive scholarship/tuition grants and tuition/fee rates supplied by Student Financial Assistance Services of the Department of Education. The study concludes with a discussion of alternative policy options for decision-making to weight and evaluate in light of the analysis contained in the report. (Author/KE)

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FINANCING INDEPENDENT HIGHER EDUCATION IN MICHIGAN: A STAFF REPORT ANALYZING RECENT ENROLLMENT, COST, AND REVENUE TRENDS, WITH PROJECTIONS TO 1980 AND 1985

U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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by
Weston H. Agor

Higher Education Management Services
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PREFACE

It has long been recognized that independent colleges and universities play an important role in Michigan's system of higher education. Accordingly, it is a goal of the State Board of Education to help develop appropriate measures (such as the tuition grant program) to foster its welfare.[1]

A necessary condition for the intelligent development of public policies which will help maintain and strengthen the role of independent higher education in Michigan is adequate information as to its past, present and future financial state. Higher Education Management Services seeks to contribute to the policy-making process by providing comparative statewide data and objective analysis on higher education in the state for both public and independent institutions.

This study is the third in a series of major long-term analyses. The first study focused primarily on the past financing of public baccalaureate institutions in the state for the entire decade 1965-1974 (some analysis of facilities data was also contained).[2] The second study

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1) See Goal Four of the State Plan for Higher Education in Michigan (Lansing, Mi: Michigan Department of Education, 1973).

2) Weston H. Agor, Financing of Public Baccalaureate Institutions in Michigan: A Staff Report Analyzing Trends from 1965-1974 (Lansing, Mi: Michigan Department of Education, 1975). Some of the major conclusions were that: the percentage of actual state general purpose expenditures devoted to public baccalaureate institutions has declined significantly over the last decade; state expenditures in real terms/FYES are lower in 1974-75 than in 1973-74; the level of appropriations/FYES varied from institution to institution; student tuition and fees as a source of institutional revenue has increased from a low of 16.9% in 1965-66 to a high of 22% in 1973-74 statewide; and the Executive Office funding formula appears to be regressive.

included public baccalaureate and community colleges, and independent institutions - although the analysis centered primarily on the public institutions.[3]

This present report focuses exclusively on independent higher education institutions in Michigan. It includes an analysis of recent enrollment, cost, and revenue trends by institution (with comparisons to the public sector), and projections to 1980 and 1985 on a statewide basis. Major conclusions of the study are:

- Enrollments at independent institutions have increased over the last decade 25.1%, although their relative share of total higher education enrollments has declined from 17.4% to 14.5% over the same period. Projections to 1980 and 1985 indicate that independent institutions' statewide enrollments are expected to show a gradual increase from a minimum of 2.1% to a maximum of 3.7% per year. After 1985, total independent (as well as public) enrollments are expected to decline due primarily to a smaller secondary school population projected available for college entry.

- Projections indicate that public (e.g., tuition grant program) as well as private expenditures for independent education in Michigan will need to more than double by 1980, and doubled again by 1985 in order to maintain present levels of program support.

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3) Weston H. Agor, Financing the Next Decade of Higher Education in Michigan: A Staff Report Projecting State Enrollment, Costs, and Revenue Trends to 1980 and 1985 (Lansing, Mi: Michigan Department of Education, 1975). Some of the major conclusions were that: There is a obvious need for greater state and federal support for higher education institutions in Michigan over the next decade; enrollment gains over the next decade will be relatively modest compared to the 1960's, and are expected to actually decline after 1985; the present funding policies should be modified to include support for a funding formula which will include considerations for differential levels of instruction and program mix as cost data permits.

- Total expenditures per student for both instructional activities and physical facilities maintenance and operation are substantially less for independent vs. public baccalaureate institutions in 1973-74 on a statewide basis.

It is hoped that this "snapshot" will bring clearly into focus the need for major public support for independent higher education in Michigan if present trends continue. The study concludes with a discussion of alternative policy options for decision-makers to weigh and evaluate in light of the analysis contained in the report.

The study was completed using primarily HEGIS (Higher Education General Information Survey) data, and some data on competitive scholarship/tuition grants and tuition/fee rates was supplied by Student Financial Assistance Services of the Department of Education. Professional and technical comments were also provided by the staff of AICUM (Association of Independent Colleges and Universities in Michigan). Department staff extends appreciation to the independent higher education institutions, and the agencies and staff noted above for their cooperation and assistance in providing the necessary data for completing this study.

JOHN W. PORTER
Superintendent of
Public Instruction

METHODOLOGICAL NOTE

This study was conducted using primarily HEGIS (Higher Education General Information Survey) data submitted to the State Department of Education by the independent institutions themselves for the period 1965-1974. Some data on competitive scholarship/tuition grants and student tuition/fee rates were also supplied by Student Financial Assitance Services of the Department of Education. Professional and technical comments were also provided by the staff of AICUM (Association of Independent Colleges and Universities in Michigan).

Some methodological notes on the completeness and accuracy of the data are appropriate here. Analysis of the data provided by the independent institutions over the decade indicates that the quality of data has improved from year to year, and is now generally reliable. There are instances, however, where portions of the data for certain schools are inconsistent or incomplete. Also, HEGIS format requirements have changed somewhat from year to year which makes longitudinal analysis more difficult.

Variances in accounting systems and differing interpretation of HEGIS report definitions make direct comparisons impossible between institutions on some items, but it is believed these factors do not affect overall reliability of the data or the conclusions derived.

The author has tried whenever possible to use the data exactly as reported by the institutions. On occasions where prior year data had to be used because current data was not available, this fact has been noted. Other adjustments or assumptions made are also noted wherever appropriate.

For those readers not fully familiar with HEGIS categories, a selected glossary is provided below:

Total Education and General Expenditures: Includes instruction and departmental research; organized activities related to educational departments; sponsored research; other separately budgeted research; other sponsored programs; extension and public service; libraries; physical plant maintenance and operation; and other education and general.

Total Education and General Revenues: Includes student tuition and fees; governmental appropriations (federal, state, and local); endowment income; private gifts; sponsored research (governmental and nongovernmental); other separately budgeted research; other sponsored programs; recovery of indirect costs; sales and services of educational departments; and other sources.

Major Service Program Expenditures: Includes hospitals and other service programs.

Major Service Program Revenues: Includes hospital charges, federal funds for hospitals, other hospital revenues, and other service programs.

Auxiliary Enterprises and Revenues: Includes housing and food services and other auxiliary enterprises.

Student Aid Grant Revenues: Includes federal, state, and local governments, private gifts and grants, endowment income, and other student aid grants.

FYES (Fiscal Year Equated Student: A Michigan definition of full-time equated student enrollment, where 31 semester hours of enrollment equals one FYES, on a fiscal year basis (46.5 quarter term hours).

For more details, refer to Higher Education Information Survey, Financial Statistics of Institutions of Higher Education for Fiscal Year Ending 1974: Instruction and Definitions (Washington, D.C.: Department of HEW, Office of Education, 1974).

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INTRODUCTION

It has long been recognized that independent colleges and universities play an important role in Michigan's system of higher education. Together, they enroll nearly 15% of all students, and add important elements of diversity and strength to the program offerings available to the youth and adults of the state. Accordingly, it is a goal of the State Board of Education to help develop appropriate support to foster their welfare.[1]

A necessary condition for the intelligent development of public policies which will help strengthen the role of independent higher education in Michigan is adequate information as to its past, present, and future financial state. Higher Education Management Services seeks to contribute to the policy-making process by providing comparative statewide data and objective analysis on higher education in the state for both public and independent institutions.

This study is the third in a series of major long-term analyses completed accordingly. The first study focused primarily on the past financing of public baccalaureate institutions in the state for the entire decade 1965-74 (some analysis of facilities data was also included). The major conclusions of the study proved to be dramatic.[2] The second study included both public (baccalaureate institutions and community colleges)

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1) See Goal Four of the State Plan for Higher Education in Michigan (Lansing, Mi: Michigan Department of Education, 1970).

2) See Weston H. Agor, Financing of Public Baccalaureate Institutions in Michigan: A Staff Report Analyzing Trends from 1965-1974 (Lansing, Mi: Michigan Department of Education, 1975).

and independent institutions - although the analysis centered primarily on the public institutions.[3]

This report focuses exclusively on independent higher education institutions in Michigan. It includes an analysis of recent enrollment, cost, and revenue trends by institution (with comparisons to the public sector), and projections to 1985 on a statewide basis. The study concludes with a discussion of alternative policy options for decision-makers to weigh and evaluate in light of the analysis contained in the report.

MAJOR CONCLUSIONS OF THE STUDY

1. Enrollments at independent institutions have increased over the last decade by 25.1% from 38,157 full-time equated students in 1965-66 to a high of 47,733 in 1973-74, even though their relative share of total higher education enrollments has declined from 17.4% in 1965-66 to 14.5% in 1973-74. Projections to 1980 and 1985 indicate that independent institutions' statewide enrollments are expected to show a gradual increase from a minimum of 2.1% (Constant Ratio Method) to a maximum of 3.7% (Straight Line Method) per year, while overall independent enrollments as a percentage of total statewide higher education will account for between a low of 14.3% (Constant Ratio Method) to a high of 16.2% (Straight Line Method). After 1985, enrollments are expected to drop for independent (as well as public) institutions primarily because of a smaller secondary school population projected available for college entry. Individual colleges and universities will exceed or fall short of the average range projected - with corresponding implications for the probable financial survival of those schools which fail to meet average projections.

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3) See Weston H. Agor, Financing the Next Decade of Higher Education in Michigan: A Staff Report Projecting State Enrollment, Cost, and Revenue Trends to 1980 and 1985 (Lansing, Mi: Michigan Department of Education, 1975).

2. While Total Education and General Expenditures for independent higher education institutions in Michigan from 1969-70 to 1973-74 per FTE (full-time equivalent) student appear to have risen on the average at rates higher than the Detroit Cost of Living Index for the same period - thereby suggesting that levels of program support were minimally maintained over this time period - it should be noted that certain individual institutions' expenditures appear not to have kept pace over this time period. Also, the rise in and absolute level of expenditures/FTE by category within Total Education and General (Instructional and Program; Physical Plant Maintenance and Operation; Other Education and General) shows wide variation from institution to institution compared to the statewide average. It should also be noted that Total Education and General Expenditures per FTE Student ($2,221) are substantially less in 1973-74 for independent institutions than for public baccalaureates ($3,432). In part, this may reflect distinct institutional roles, program mix, fiscal economies, cost priorities, and other factors.

3. Projections indicate that statewide Total Education and General Expenditures for independents will need to reach at least $217,253,421 ($3,927/FTE) by 1980, and $385,255,750 ($6,325/FTE) by 1985 if existing levels of program quality/support are to be maintained.

4. Extremely significant is the fact that over the ten year period 1965-1974 student tuition and fees as a source of institutional revenues for independent institutions has increased significantly - from a low of 58.9% in 1965-66 to a high of 65.4% in 1973-74 (vs. an increase for public baccalaureates from a low of 16.9% to a high of 22% over the same time period).

Projections indicate that average statewide independent student tuition and fees will account for between 65.4% and 71.4% of total institutional revenues in 1980 (ranging from $2,568 to $2,804/FTE), and from 65.4% to 76.4% in 1985 (ranging from $4,137 to $4,832 for full-time students).

5. The state tuition grant program amounted to $7,410,154 ($166.80/FTE) for independent institutions in 1973-74, which is equal to 11.3% of tuition and fee rates ($1,482) for the same year. Based on projected enrollments and increases in student tuition and fees, and assuming that the state tuition grant program will continue to account for at least 11.3% of independent tuition and fee costs, state appropriations of between 16.0 - 17.5 million dollars in 1980 ($290.18 - $316.85/FTE), and 29.5 - 33.3 million dollars in 1985 ($467.48 - $546.02/FTE) will be required to fund the program.

6. The facilities data available here indicates that independent institutions statewide have considerably less assigned space available per FTE student (166.8 square feet) than is the case for public baccalaureate's (207.3 square feet), and that expenditures/FTE ($288) are considerably less in 1973-74 for physical facilities operation and maintenance than is the case for public baccalaureates ($393). However, the overall condition of the independent's physical facilities appears to be substantially better than for public baccalaureate institutions, with 92.8% of the assignable space classified in 1974 as satisfactory vs. 75.6% for public institutions.

It should be noted, however, that individual institutional figures vary substantially from the statewide averages for each classification

of institution, which may be accounted for in part by differential institutional roles, program mix, recent enrollment trends, nature and condition of physical facilities, operating efficiency, and other factors.

DETAILED DISCUSSION OF EACH CONCLUSION

Enrollment Projections to 1980 and 1985

Table I summarizes enrollment trends for both independent and public institutions for the period 1965-1974. Table II projects these trends to 1980 and 1985 employing the Constant Ratio and Straight Line Projection Methods, which is displayed in chart form in Figure I.

The Constant Ratio Projection for 1985 is based on the percent of male and female enrollments to the total population ages 18 to 34. The projection reflects changes in enrollment that are attributed to population changes only.[4] The projection of headcount enrollment is translated into FTE enrollment for independent institutions and FYES enrollment for public institutions by determining the actual ratio of headcount to FTE/FYES enrollments in the fall of 1974 (.864 for independents; .869 for public baccalaureates; .543 for community colleges), and multiplying this ratio times projected headcount figures for 1980 to arrive at projected FTE/FYES figures. 1985 projections are calculated in the same way after headcount figures for 1980 are projected to 1985 at the same rate of change projected from 1975 to 1980.

The Straight Line Projection Method simply arithmetically projects future enrollments to 1980 and 1985 based on the same rate of change

(text continues on page 9)

4) For a detailed discussion of this approach, see James C. Homan, Postsecondary Educational Needs in Michigan: 1975 (Lansing, Mi., Michigan Department of Education, 1975), pp. 47-54.

TABLE I

ENROLLMENT OF PUBLIC AND INDEPENDENT HIGHER EDUCATION INSTITUTIONS IN MICHIGAN: 1965-1974 (FYES)*

	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	1973-74
Public Baccalaureate Percent of Total	144,770 (65.9)	158,594 (64.4)	170,806 (64.7)	180,929 (63.5)	191,160 (62.9)	199,392 (62.6)	201,022 (62.1)	197,821 (61.4)	199,556 (60.6)
Public Comm. Colleges Percent of Total	36,689 (16.7)	45,124 (18.3)	51,578 (19.5)	61,513 (21.6)	70,439 (23.2)	77,338 (24.2)	79,464 (24.6)	79,934 (24.8)	81,931 (24.9)
TOTAL PUBLIC INSTITUTIONS Percent of Total	181,459 (82.6)	203,718 (82.7)	222,384 (84.2)	242,442 (85.1)	261,599 (86.1)	276,730 (86.8)	280,486 (86.7)	277,755 (86.2)	281,487 (85.5)
Independent Institutions Percent of Total	38,157 (17.4)	42,720 (17.3)	41,640 (15.8)	42,414 (14.9)	42,079 (13.9)	42,206 (13.2)	43,185 (13.3)	44,429 (13.8)	47,733 (14.5)
TOTAL ALL INSTITUTIONS Percent of Total	219,616 (100.0)	246,438 (100.0)	264,024 (100.0)	284,856 (100.0)	303,678 (100.0)	318,936 (100.0)	323,671 (100.0)	322,184 (100.0)	329,220 (100.0)

* FYES: Fiscal Year Equated Student. A Michigan measure of full-time equated enrollment where 31 semester credit hours equals one FYES for the year.

TABLE II

PROJECTED ENROLLMENT FOR PUBLIC & INDEPENDENT HIGHER EDUCATION INSTITUTIONS IN MICHIGAN TO 1980 AND 1985 (FYES)*

	Constant Ratio Method			Straight Line Method		
	1975-76	1980-81	1985-86	1975-76	1980-81	1985-86
Public Baccalaureates	204,919	225,543	248,323	201,751	212,847	224,554
Percent of Total	(58.1)	(58.1)	(58.1)	(60.0)	(57.0)	(54.0)
Public Community Colleges	97,106	106,876	117,670	85,290	102,774	123,843
Percent of Total	(27.6)	(27.6)	(27.6)	(25.4)	(27.5)	(29.8)
TOTAL PUBLIC INSTITUTIONS	302,025	332,419	365,993	287,041	315,621	348,397
Percent of Total	(85.7)	(85.7)	(85.7)	(85.4)	(84.5)	(83.8)
Independent Institutions	50,261	55,323	60,910	49,356	57,747	67,564
Percent of Total	(14.3)	(14.3)	(14.3)	(14.6)	(15.5)	(16.2)
TOTAL ALL INSTITUTIONS	352,286	387,742	426,903	336,397	373,368	415,961

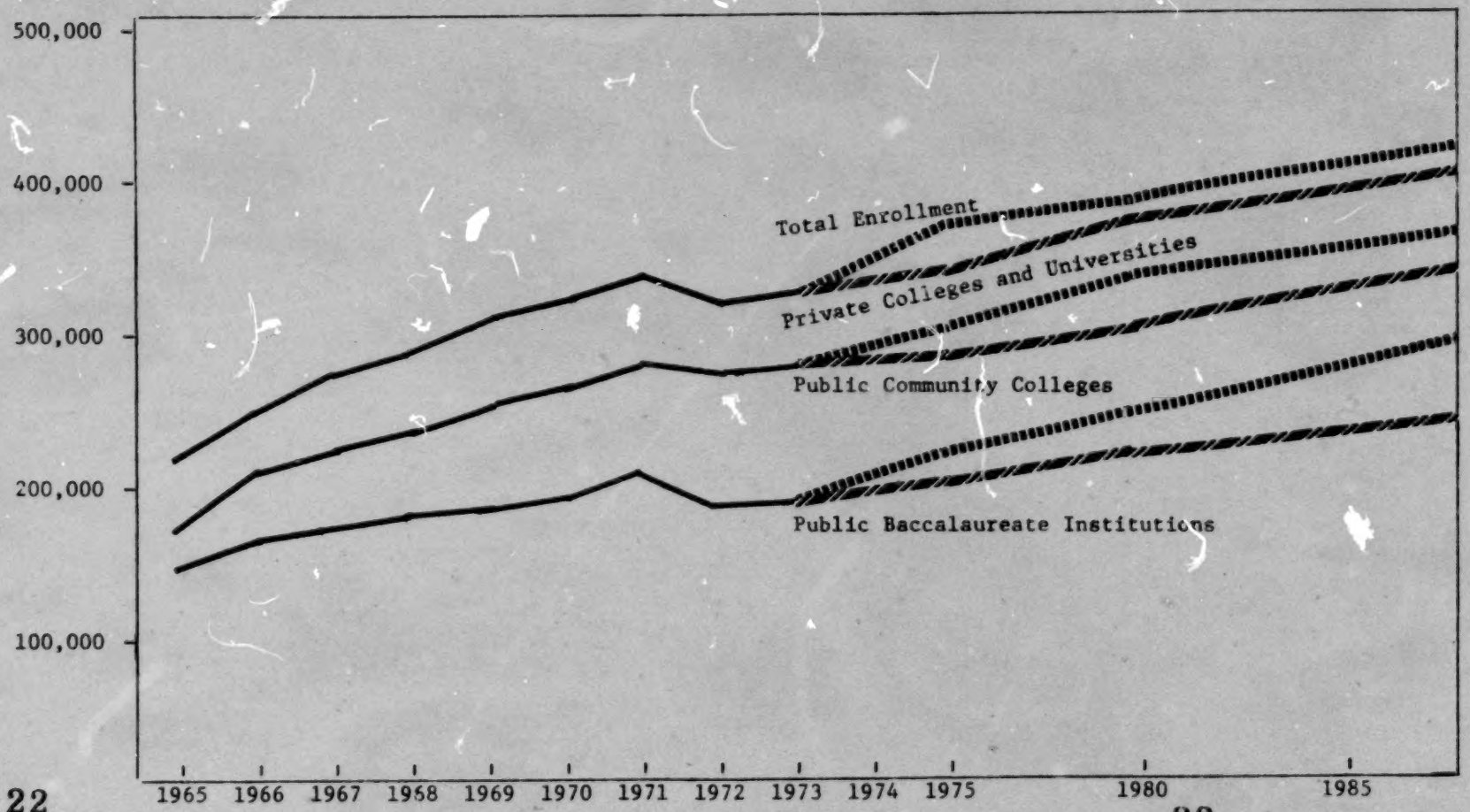
* Independent FTE's assumed to equal FYES

NB Both enrollment projections fall below the Carnegie enrollment projections which have proved to be overly optimistic, but close to the State Plan for Higher Education in Michigan projections which have proved to be near to actual enrollments realized by the institutions.

These projected enrollments are consistent with the range of enrollments projected by David Goldberg and Albert Anderson, Projections of Population and College Enrollments in Michigan, 1970-2000 (Lansing, Mi: 1974) prepared by the Governor's Commission on Higher Education.

FIGURE I

ENROLLMENT OF PUBLIC AND INDEPENDENT HIGHER EDUCATION INSTITUTIONS IN MICHIGAN: 1965-1974 ACTUAL AND PROJECTIONS TO 1985*



*Public institutions are in FYES. Private in FTE's - assumed to equal FYES.

Projections: ▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪ = Constant Ratios ▰▰▰▰▰▰▰▰▰▰▰▰▰▰▰▰ = Straight Projections

experienced by each category of institution over the period 1969-70 to 1973-74. This time period is used as the base on the grounds that enrollments during 1974-75 and 1975-76 appear to be atypically high due to the recession. Historical analysis of past enrollments shows that a dip in enrollments was experienced after each recession period ended.

Of course, individual independent colleges and universities will exceed or fall short of the average range projected. For example, an analysis of enrollment trends in Table III indicates that several institutions such as Adrian, Cleary, Marygrove, and Sacred Heart may well fall below projections whereas colleges such as the Detroit College of Law and Muskegon Business College may exceed them.

The Rise in Independent Higher Education Expenditures

Table IV compares the increase in Total Education and General Expenditures per student to the Detroit Cost of Living Index for the period 1969-70 to 1973-74 for all categories of higher education institutions. Expenditures for independent institutions appear to have risen at rates exceeding the Detroit Consumer Price Index. This is probably a good general indicator that on a statewide basis existing educational programs/activities are being maintained or improved. On the other hand, if the rise of Total Education and General Expenditures for selected institutions does not correspond to the rise in the Consumer Price Index, it probably signals a reduction in the maintenance of existing program support or foregoing planned programs/other improvements.[5]

(text continues on page 13)

5) For a more detailed discussion of ways to interpret these statistics, see Weston H. Agor, Financing the Next Decade of Higher Education in Michigan . . . . op. cit, pp. 15-30.

TABLE III

INDEPENDENT COLLEGES AND UNIVERSITIES - ENROLLMENT (FALL): 1966-1973 (FTE)

Institution	1966	1967	1968	1969	1970	1971	1972	1973	1974	% of Total	1973 Index to 1969
Adrian	1,481	1,494	1,546	1,457	1,536	1,410	1,161	1,108	995	2.1	76.0
Albion	1,641	1,689	1,784	1,810	1,799	1,761	1,767	1,769	1,756	3.7	97.7
Alma	1,071	1,135	1,210	1,251	1,273	1,320	1,229	1,209	1,151	2.4	96.6
Andrews	1,467	1,832	1,889	1,867	1,883	1,844	1,909	2,054	2,174	4.5	110.0
Aquinas	1,184	1,321	1,170	1,244	1,204	1,137	1,177	1,221	1,266	2.7	98.2
Calvin	3,175	3,266	3,501	3,500	3,317	3,182	3,096	3,152	3,296	6.9	90.1
Calvin Sem.	65	NA	NA	169	147	131	136	138	157	0.3	81.7
Cleary	993	871	640	523	396	376	376	405	423	0.9	77.0
Concordia Luth.	508	505	491	471	504	465	471	953	443	0.9	202.3
Cooley Law Sch.	-	-	-	-	-	-	-	-	423	0.9	-
Cranbrook Acad.	121	122	116	124	119	154	147	146	156	0.3	117.7
Davenport	999	1,009	887	1,034	1,079	1,084	1,079	989	1,231	2.6	95.6
Detroit Bible	NA	268	286	295	264	235	253	239	219	0.5	81.0
Det. Coll. of Bus.	NA	901	943	848	894	874	889	938	2,258	4.6	110.6
Det. Coll. of Law	464	484	415	425	628	564	875	871	914	1.9	204.9
Det.Inst. of Tech.	1,029	1,212	1,044	982	860	793	722	847	1,184	2.5	86.3
Duns Scotus	90	67	81	165	107	143	170	64	56	0.1	38.8
Faithway Baptist	-	-	-	-	-	-	-	-	49	0.1	NA
G.M.I.	2,857	2,920	2,892	2,932	2,936	2,886	3,114	3,189	3,039	6.3	108.8
Grace Bible	107	99	108	106	121	133	123	102	109	0.2	97.2
G.R. Baptist	421	473	458	586	668	624	653	699	752	1.6	119.3
Gr. Lakes Bible	-	-	-	-	-	-	-	119	163	0.3	NA
Hillsdale	1,038	1,127	1,144	1,124	1,061	1,093	1,080	1,012	950	2.0	90.0
Hope	1,772	1,905	1,916	1,992	2,022	2,053	2,095	1,949	2,067	4.3	97.8
John Wesley	NA	201	146	117	134	171	232	336	450	0.9	287.2

TABLE III, INDEPENDENT COLLEGES AND UNIVERSITIES - ENROLLMENT (FALL): 1966-1973 (FTE)

Institution	1966	1967	1968	1969	1970	1971	1972	1973	1974	% of Total	1973 Index to 1969
Kalamazoo	564	1,211	1,282	1,326	947	1,316	1,371	1,356	1,400	2.9	102.3
Lawrence Inst.Tech	2,786	3,030	3,225	3,221	2,970	2,750	3,083	2,962	3,331	6.9	92.0
Madonna	461	563	550	467	408	447	515	781	1,102	2.3	167.2
Marygrove	1,297	1,148	908	845	811	841	816	695	799	1.7	82.2
Mercy	1,031	1,130	1,054	1,002	1,266	1,366	1,526	1,581	1,653	3.5	157.8
Merrill Palmer	NA	98	135	180	66	84	57	71	63	0.1	39.4
Mich. Christian	227	225	174	170	204	238	191	160	176	0.4	94.1
Muskegon Business	418	265	134	229	249	222	355	409	423	0.9	178.6
Nazareth	436	484	480	460	381	380	428	464	385	0.8	100.9
Northwood	1,070	992	1,013	1,123	1,422	1,232	1,065	1,285	1,413	3.0	114.4
Olivet	710	750	806	803	835	795	754	767	792	1.7	95.5
Reformed Bible	NA	103	99	70	84	103	160	176	190	0.4	251.4
Sacred Heart	240	218	224	196	158	113	111	95	86	0.2	48.5
Saint Mary's	NA	131	116	101	116	86	83	72	94	0.2	71.3
Shaw	NA	NA	NA	NA	416	588	717	974	1,180	2.5	NA
Siena Heights	663	672	569	525	532	474	538	664	929	1.9	126.5
Soc.Arts & Crafts		486	67	78	155	173	428	437	446	0.9	560.3
Spring Arbor	575	613	604	668	730	693	650	724	777	1.6	108.4
Suomi	NA	351	307	347	373	386	338	304	374	0.8	87.6
U of D	6,827	6,978	7,100	7,474	6,778	7,234	6,945	6,502	6,357	13.2	87.0
Walsh College	388	373	NA	NA	130	176	205	345	434	0.9	NA
West.Theo.Sem.	91	98	132	104	96	76	95	95	120	0.3	91.3
STATE TOTAL	38,157	42,720	41,640	42,414	42,079	42,206	43,185	44,429	47,733	100.0	104.8

1970-1973 years are reported as submitted by the institutions. 1965-1969 figures are adjusted in order to be comparable to 1970-73 figures as much as possible (Formula used is Full-Time-Students plus one-half of part-time students equals FTE).

TABLE IV
COMPARISON OF TOTAL EDUCATION AND GENERAL EXPENDITURES
FOR PUBLIC AND INDEPENDENT HIGHER EDUCATION INSTITUTIONS
IN MICHIGAN: 1969-70 vs. 1973-74
($/FYES) *

Institutions	1969-1970	1973-1974	Index (%)	Increase/ Year (%)
Public Baccalaureate	2,649	3,432	129.6	7.4
Public Comm. Colleges	1,336	1,806	135.2	8.8
Independent Institutions	1,658	2,221	134.0	8.5
Detroit Cost of Living Increase Over Same Period			127.0	6.95

* Independent FTE's are assumed to equal FYES

Tables V and VI display by independent institution the increase per student in Total Education and General Expenditures, and by activity within the Total (Instructional Programs; Physical Facilities and Operation and Maintenance; and Other Education and General) for the period 1969-70 to 1973-74. It is clear that several individual institutions' expenditures did not keep pace with the Detroit Cost of Living Index or the statewide average, while several others exceeded both for various reasons. For example, Expenditures for Detroit College of Business, Detroit College of Law and Madonna College all fall below both statewide indexes. On the other hand, Expenditures for Adrian, Calvin Theological, and Davenport College all exceeded the averages. However, in each of these cases, this appears to primarily reflect downward shifts in enrollments which result in high per student expenditures because of fixed costs.

By activity within Total Education and General Expenditures, it is important to note that on a statewide basis Instructional Program Expenditures did not quite meet the increase in the Detroit Cost of Living Index for the same period (index of 127.4 vs. 127.8), while expenditures for Physical Facilities and Operation and Maintenance (155.7) and Other Education and General Expenditures (148.6) appear to have exceeded the rise in the Detroit Index. This probably reflects the economic necessity for establishing priorities at each institution for meeting other costs than instruction program costs, and also the real term decline in faculty salaries over this time period which account for the majority of instructional program costs. The implications of these trends in the long-term may well be a real decline in instructional program support - especially in relation to the public sector.

(text continues on page 20)

TABLE V

Independent Institutions:
Index of Expenditures/FTE ($)
by Activity 1973/74 vs. 1969/70

Institution	Instructional Program	Physical Facilities & Op/Maintenance	Other Educ. & Gen.	Total Ed. & General
Adrian	150.1	146.7	157.4	153.2
Albion	NA	NA	NA	NA
Alma	131.0	135.1	129.2	142.0
Andrews	146.5	110.0	115.5	136.5
Aquinas	144.2	146.0	139.3	148.2
Calvin	134.4	162.4	139.9	135.8
Calvin Theo.	161.4	207.1	251.7	177.9
Cleary	NA	NA	NA	NA
Concordia Lutheran	60.5	56.5	56.1	58.1
Cooley	NA	NA	NA	NA
Cranbrook	182.6	97.3	89.5	115.5
Davenport	182.0	129.6	164.9	180.3
Detroit Bible	130.0	123.8	160.2	145.4
Detroit College of Bus	126.2	400.0	80.0	112.5
Detroit College of Law	109.7	113.8	119.3	111.5
Detroit Inst. of Tech.	166.1	243.9	318.8	245.7
Duns Scotus	258.1	507.9	596.2	374.3
Faithway	NA	NA	NA	NA
General Motors Inst.	NA	NA	NA	NA
Grace Bible	167.8	133.8	123.8	144.3
Grand Rapids Baptist	156.6	133.3	135.6	145.5
Great Lakes Bible	NA	NA	NA	NA
Hillsdale	145.6	116.0	126.2	134.1
Hope	129.7	215.4	203.5	151.5
John Wesley	272.3	149.3	410.8	330.0
Kalamazoo	116.1	149.5	151.0	126.5
Lawrence Inst. of Tech	130.1	153.9	81.2	117.6
Madonna	83.9	107.8	103.8	95.5
Marygrove	122.2	171.1	159.3	141.6
Mercy	109.4	118.8	110.1	111.1
Merrill-Palmer Inst.	NA	NA	NA	NA
Mich. Christ. Jr. Col.	153.2	146.0	97.1	131.1
Muskegan Bus.	110.6	51.1	53.6	72.3
Nazareth	119.3	315.5	112.8	131.8
Northwood Inst.	100.4	193.4	569.4	239.3

TABLE V (Continued)

Independent Institutions:
Index of Expenditures/FTE ($)
by Activity 1973/74 vs. 1969/70

Institution	Instructional Program	Physical Facilities & Op/Maintenance	Other Educ. & Gen.	Total Ed. & General
Olivet	127.2	137.2	110.6	123.3
Reformed Bible	58.5	55.3	NA	104.7
Sacred Heart	213.3	245.3	184.1	227.0
Saint Mary's College	312.6	142.3	NA	327.5
Shaw	NA	NA	NA	NA
Siena Heights	130.0	134.6	291.5	164.3
Soc. of Arts & Crafts	26.4	41.6	24.8	26.8
Spring Arbor	126.3	170.6	163.8	143.7
Suomi	63.2	105.6	825.0	149.5
U. of D.	149.2	135.1	109.6	132.6
Walsh	NA	NA	NA	NA
Western Theo.	113.0	119.7	111.1	112.9
Statewide Average	127.4	155.7	148.6	134.0

TABLE VI
INDEPENDENT INSTITUTIONS: INDEX OF EXPENDITURES/FTE ($)
BY PROGRAM ACTIVITY - TOTAL EDUCATION AND
GENERAL EXPENDITURES - 1969-70 vs. 1973-74

INSTITUTION	$/FTE 1969-70	$/FTE 1973-74	Index 1973-74 to 1969-70 (%)
Adrian College	$1,842	$2,822	153.2
Albion College	2,524	NA	NA
Alma College	2,189	3,108	142.0
Andrews University	2,301	3,142	136.5
Aquinas College	1,700	2,520	148.2
Calvin College	1,418	1,925	135.8
Calvin Theological	2,072	3,686	177.9
Cleary College	NA	1,351	NA
Concordia Lutheran	1,645	955	58.1
Cooley Law School	NA	NA	NA
Cranbrook Academy	3,633	4,196	115.5
Davenport College	857	1,545	180.3
Detroit Bible Coll.	1,080	1,570	145.4
Detroit Coll. of Bus.	856	963	112.5
Detroit Coll. of Law	907	1,011	111.5
Detroit Inst. of Tech.	1,416	3,479	245.7
Duns Scotus College	1,843	6,898	374.3
Faithway Baptist Coll.	NA	NA	NA
General Motors Inst.	NA	NA	NA
Grace Bible College	1,654	2,387	144.3
Grand Rapids Baptist	1,182	1,720	145.5
Great Lakes Bible	NA	2,891	NA
Hillsdale College	2,355	3,158	134.1
Hope College	1,891	2,865	151.5
John Wesley College	2,114	6,976	330.0
Kalamazoo College	2,529	3,198	126.5
Lawrence Inst. of Tech.	851	1,001	117.6
Madonna College	1,415	1,351	95.5
Marygrove College	2,091	2,961	141.6
Mercy College of Detroit	1,967	2,200	111.8
Merrill-Palmer Inst.	5,849	NA	NA
Michigan Christian	1,921	2,518	131.1
Muskegon Bus. Coll.	1,349	975	72.3
Nazareth College	2,696	3,552	131.8
Northwood Institute	920	2,202	239.3

TABLE VI, INDEPENDENT INSTITUTIONS: INDEX OF EXPENDITURES/FTE ($) BY PROGRAM ACTIVITY - TOTAL EDUCATION AND GENERAL EXPENDITURES - 1969-70 vs. 1973-74 (Continued)

	$/FTE		Index 1973-74 to 1969-70 (%)
	1969-70	1973-74	
Olivet College	$2,147	$2,648	123.3
Reformed Bible College	1,677	1,756	104.7
Sacred Heart Seminary	2,982	6,768	227.0
Saint Mary's College	1,688	5,529	327.5
Shaw Coll. at Detroit	NA	2,503	NA
Siena Heights College	1,589	2,611	164.3
Society of Arts & Crafts	8,232	2,221	26.8
Spring Arbor College	1,703	2,447	143.7
Suomi College	1,879	2,809	149.5
Univ. of Detroit	1,863	2,471	132.6
Walsh College	NA	1,182	NA
Western Theological	3,693	4,170	112.9
STATEWIDE AVERAGE	1,658	2,221	134.0

NA - Not available or data not yet provided by the institution

TABLE VI (Continued)

INDEPENDENT INSTITUTIONS: INDEX OF EXPENDITURES/FTE ($) BY PROGRAM ACTIVITY - 1969-70 to 1973-74

	INSTRUCTIONAL PROGRAMS				PHYS. FACILITIES, OPER. & MAINT.				OTHER EDUC. & GENERAL			
Institution	1969-1970	1972-1973	1973-1974	Index of 73/74 to 69/70	1969-1970	1972-1973	1973-1974	Index of 73/74 to 69/70	1969-1970	1972-1973	1973-1974	Index of 73/74 to 69/70
Adrian	930	1,326	1,396	150.1	287	401	421	146.7	625	938	984	157.4
Albion	1,301	1,440	NA	NA	435	512	NA	NA	703	756	NA	NA
Alma	1,205	1,472	1,578	131.0	313	379	423	135.1	671	791	867	129.2
Andrews	1,483	2,041	2,173	146.5	200	214	220	110.0	586	603	677	115.5
Aquinas	1,126	1,412	1,624	144.2	163	245	238	146.0	410	603	571	139.3
Calvin	872	1,106	1,172	134.4	157	192	255	162.4	281	368	393	139.9
Calvin Theol.	1,616	2,391	2,608	161.4	154	221	319	207.1	302	666	760	251.7
Cleary	NA	701	845	NA	NA	160	135	NA	NA	471	371	NA
Concordia	717	828	434	60.5	315	364	178	56.5	613	662	344	56.1
Cooley Law School	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cranbrook	879	2,109	1,605	182.6	1,583	1,330	1,541	97.3	1,172	1,235	1,049	89.5
Davenport	362	578	659	182.0	108	129	140	129.6	388	492	640	164.9
Detroit Bible	443	553	576	130.0	80	103	99	123.8	558	740	894	160.2
Det. Coll. of Business	424	552	535	126.2	26	108	104	400.0	405	287	324	80.0
Det. Coll. of Law	709	737	778	109.7	80	72	91	113.8	119	116	142	119.3
Det. Inst. of Tech.	897	1,561	1,490	166.1	157	247	383	243.9	362	992	1,154	318.8
Duns Scotus	1,099	1,151	2,836	258.1	430	562	2,184	507.9	315	590	1,878	596.2
Faithway Baptist	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Grace Bible	739	939	1,240	167.8	130	113	174	133.8	785	947	972	123.8
Gr. Rapids Baptist	572	802	896	156.6	129	178	172	133.3	481	626	652	135.6
Great Lakes Bible	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hillsdale	1,144	1,507	1,666	145.6	344	468	399	116.0	867	1,283	1,094	126.2
Hope	1,190	1,355	1,544	129.7	188	297	405	215.4	340	538	692	203.5
John Wesley	701	NA	1,909	272.3	282	NA	421	149.3	1,131	NA	4,646	410.8
Kalamazoo	1,729	1,736	2,008	116.1	297	397	444	149.5	494	581	746	151.0

TABLE VI (Continued)

INDEPENDENT INSTITUTIONS: INDEX OF EXPENDITURES/FTE ($) BY PROGRAM ACTIVITY - 1969-70 to 1973-74 (Cont'd.)

	INSTRUCTIONAL PROGRAMS				PHYS.FACILITIES, OPER. & MAINT.				OTHER EDUC. & GENERAL			
Institution	1969-1970	1972-1973	19.3-1974	Index of 73/74 to 69/70	1969-1970	1972-1973	1973-1974	Index of 73/74 to 69/70	1969-1970	1972-1973	1973-1974	Index of 73/74 to 69/70
Lawrence Inst. of Tech.	442	533	575	130.1	128	161	197	153.9	282	204	229	81.2
Madonna	770	652	646	83.9	167	213	180	107.8	478	585	496	103.8
Marygrove	1,104	1,109	1,349	122.2	343	543	587	171.1	644	838	1,026	159.3
Mercy	891	997	975	109.4	260	338	309	118.8	611	785	673	110.1
Merrill-Palmer	1,715	4,615	NA	NA	1,166	3,550	NA	NA	2,968	8,812	NA	NA
Michigan Christian	904	815	1,385	153.2	300	459	438	146.0	716	764	695	97.1
Muskegon	453	617	501	110.6	235	168	120	51.1	661	404	354	53.6
Nazareth	1,398	1,930	1,668	119.3	200	394	631	315.5	1,098	1,831	1,238	112.8
Northwood	458	463	460	100.4	121	248	234	193.4	265	1,460	1,509	569.4
Olivet	1,111	1,426	1,413	127.2	331	421	454	137.2	705	841	780	110.6
Reformed Bible	1,440	831	843	58.5	237	164	131	55.3	NA	639	783	NA
Sacred Heart	1,010	1,800	2,154	213.3	1,309	2,726	3,211	245.3	662	1,013	1,219	184.1
St. Mary's	856	1,947	2,676	312.6	832	1,040	1,184	142.3	NA	1,480	1,669	NA
Shaw	NA	NA	530	NA	NA	NA	120	NA	NA	NA	1,457	NA
Siena Heights	989	1,551	1,286	130.0	246	371	331	134.6	341	843	994	291.5
Soc.of Arts & Crafts	4,755	1,212	1,253	26.4	551	201	229	41.6	2,976	639	739	24.8
Spring Arbor	996	1,227	1,258	121.3	170	284	290	170.6	536	839	878	163.8
Suomi	1,313	597	830	63.2	373	308	394	105.6	192	1,438	1,584	825.0
Univ. of Detroit	1,121	1,305	1,672	149.2	188	221	254	135.1	408	551	447	109.6
Walsh	NA	609	390	NA	NA	132	85	NA	NA	1,006	686	NA
Western Theol.	2,195	2,693	2,480	113.0	330	400	395	119.7	1,167	1,210	1,296	111.1
Statewide Average	935	1,072	1,191	127.4	185	260	288	155.7	451	595	670	148.6

It should be emphasized in this regard that Total Education and General Expenditures/FTE student are already substantially less ($2,221) than for public baccalaureates ($3,432) in 1973-74 (See Table IV). Although this fact may simply reflect distinct institutional roles, program mix, and cost priorities, it may also reflect independent college mandated operational economies and other distinctions in overall program support.

Projection of Independent Expenditure Needs by 1980 and 1985

Projecting enrollments and expenditures (at 1973-74 levels of support/FTE) to 1980 and 1985, Total Educational and General Expenditures for independent institutions must reach $217,253,421 by 1980, and $385,255,750 by 1985 to maintain existing program activity and quality.

TABLE VII
INDEPENDENT INSTITUTIONS: PROJECTIONS
TO 1980 AND 1985 OF EXPENDITURE NEEDS

Year	Enrollment	Total Education & General Expenditures	Total Educ. & Gen. Expenditure/FTE
1973-74	44,429	$ 98,668,824	$2,221
1980-81	55,323	217,253,421	3,927
1985-86	60,910	385,255,750	6,325

This is determined by taking expenditures/FTE in 1973-74, and projecting this figure at the rate of 10%/year which is the estimated rate of inflation for higher educational costs. The figure arrived at is then multiplied times the estimated enrollment using the Constant Ratio Projection Method. The net product is projected needs for independent higher education in 1980 and 1985 respectively.

Projected Independent Student Tuition and Fees in 1980 and 1985

Student tuition and fees as a source of independent institutional revenues has increased dramatically on a statewide basis over the last decade, from a low of 58.9% in 1965-66 to a high of 65.4% in 1973-74. Projecting present trends, average statewide tuition and fees will account for between 65.4% - 71.4% of institutional revenues by 1980, and between 65.4% - 76.4% by 1985 (See Table VIII).

These projections are determined as follows. Statewide undergraduate independent tuition and fees in 1973-74 were $1,482/FTE, which accounted for 65.4% of Total Educational and General Revenues per student for the same year.[6] Assuming higher educational costs will increase at a rate of 10%/year between 1973-74 and 1980-85, per FTE revenues will need to reach $3,927 in 1980 and $6,325 in 1985 to maintain 1973-74 levels of program support. Assuming that student tuition and fees will continue to account for a constant 65.4% of Total Educational and General Revenues, per FTE tuition and fees in 1980 will be $2,568, and $4,137 in 1985. However, trends for the period 1969-70 and 1973-74 show that student tuition and fees as a percentage of total institutional revenues have not remained constant, but rather have increased at a rate of 1.0% per year. Projecting these trends, student tuition and fees will account for 71.4% of total Education and General Revenues in 1980 ($2,804/FTE) and 76.4% in 1985 ($4,832/FTE).

Projected Needs for the Tuition Grant Program by 1980 and 1985

The tuition grant program for students amounted to 11.3% ($7,410,154 or $166.80/FTE) of total tuition and fee charges by independent institutions

6) $1,482/FTE is the statewide average undergraduate tuition and fee figure as reported to Student Financial Assistance Services Division of the Michigan State Department of Education. Headcount figures would be somewhat higher.

TABLE VIII
INDEPENDENT INSTITUTIONS: UNDERGRADUATE STUDENT TUITION AND FEES AS A PERCENT OF TOTAL EDUCATION AND GENERAL REVENUES - 1965-1985
($/FTE)*

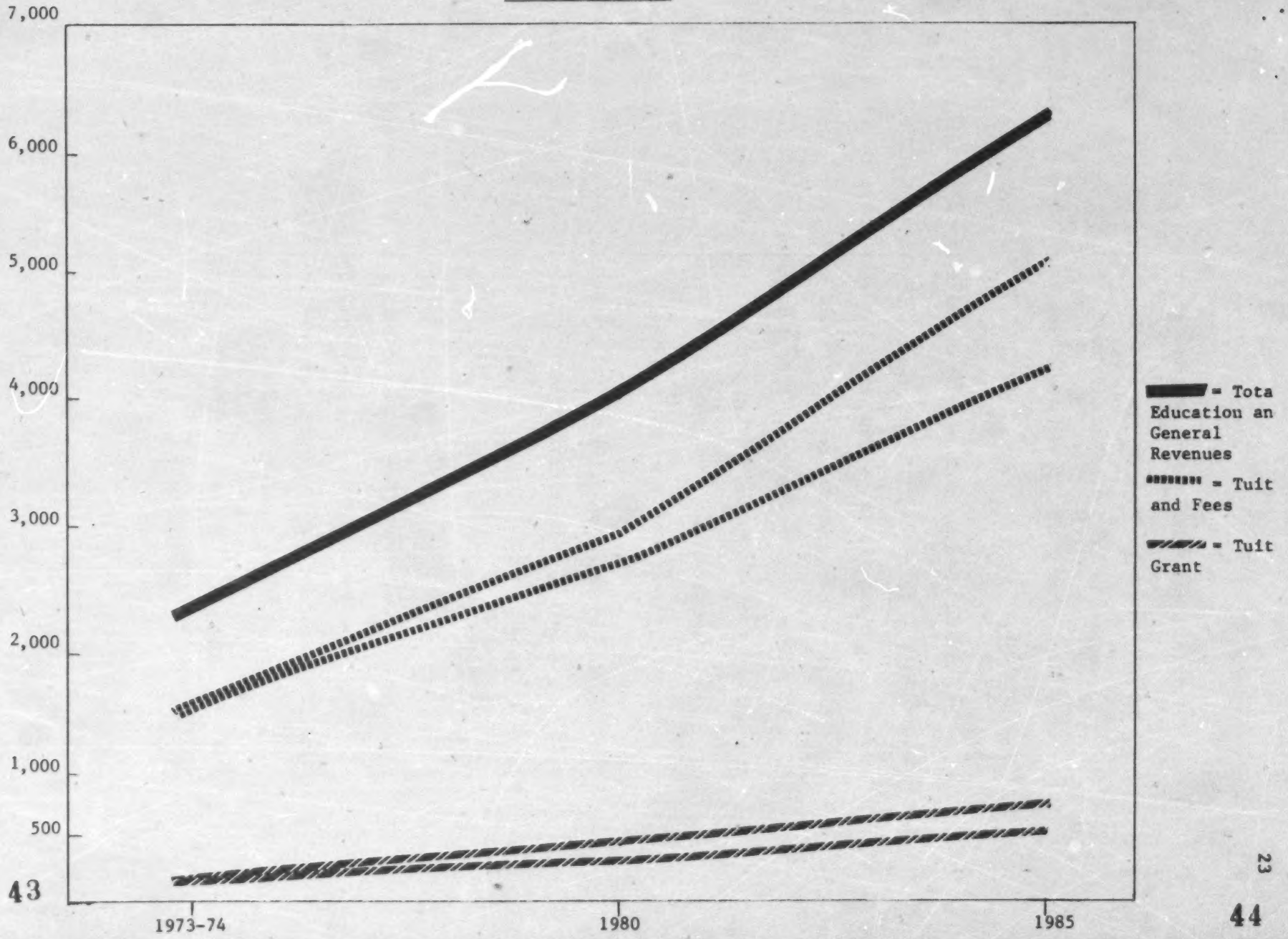
	1966-67	1969-70	1970-71	1971-72	1972-73	1973-74	1980-81	1985-86
Total Education & General Revenue (millions) ($)	48.5	72.0	80.3	98.7	93.2	100.6	217.3	385.3
Enrollment (FTE)	38,157	42,414	42,079	42,206	43,185	44,429	55,323	60,910
Total Education & General Exp./FTE ($)	1,271	1,697	1,909	2,339	2,159	2,265	3,927	6,325
Tuition and Fees/FTE ($)	748	1,042	1,165	1,268	1,371	1,482	2,568 - 2,804	4,137 - 4,832
Tuition & Fees % of Total Educ. & Gen. Expense	58.9	61.4	61.0	54.2	63.5	65.4	65.4 - 71.4	65.4 - 76.4
Total Tuition Grant (Millions) ($)	- -	- -	- -	- -	- -	7.4	16.0-17.5	29.5-33.3
Tuition Grant/FTE ($)	- -	- -	- -	- -	- -	167	290-317	467-546
Tuition Grant as % of Total Tuition Fees (%)	- -	- -	- -	- -	- -	11.3	11.3	11.3

* These figures are for average undergraduate tuition and fees only/FTE student. Headcount costs would be somewhat lower.

Source: Student Financial Assistance Services, Michigan Department of Education, 1975

FIGURE II

Independent Institutions: Projections of Revenues, Tuition and Fees, and Tuition Grants/FTE ($)
(Actual Dollars)



to FTE students in 1973-74. This program has without a doubt had a very definite and positive impact on independent institutions' enrollments, and assisted many Michigan residents to exercise an economic freedom of choice in their selection of a Michigan college or university.

Projections indicate that in order to maintain the tuition grant program at 1973-74 levels of support and at its present operational base (i.e., 11.3% of total tuition and fee costs), state appropriations will have to be more than doubled by 1980 and nearly doubled again by 1985 (see Table VIII for details and Figure II for a graphic presentation of the same). If the amount of the present tuition grant is increased to $1,600/student, the level of state appropriations required would be substantially higher than these projections.

This is determined as follows. Total Education and General Revenue/FTE required by 1980 and 1985 to maintain 1973-74 levels of program activity/quality is projected to be $3,927 and $6,325 respectively. Tuition and fees as a percentage of Total Revenues is projected to range from $2,568 - $2,804/FTE in 1980, and $4,137 - $4,832 in 1985. If the tuition grant program is to remain at 11.3% of these estimated tuition and fee rates, $290-317/FTE will be required in 1980 and $467-546/FTE in 1985. These figures are multiplied by the estimated enrollment for the same years, which results in the total state appropriation required to fund the program ($16.0 - 17.5 million in 1980, and $29.5 - 33.5 million in 1985 respectively).

Physical Facilities Analysis

Table IX summarizes statewide and by institution the assignable square feet/FTE and the condition of physical facilities at independent

(text continues on page 28)

TABLE IX

Independent Institutions:
Building Inventory Condition - 1974
Assignable Square Feet/FTE

Institution	Satisfactory	(%)	Remodel A	Remodel B	Remodel C	Demolish	Terminate	Total
Adrian	484.7	(100)	-	-	-	-	-	484.7
Albion	NA	NA	NA	NA	NA	NA	NA	NA
Alma	343.2	(91.1)	NA	NA	33.6	NA	NA	376.8
Andrews	NA	NA	NA	NA	NA	NA	NA	NA
Aquinas	178.5	(98.4)	-	2.9	-	-	-	181.4
Calvin	192.2	(100)	-	-	-	-	-	192.2
Calvin Seminary	159.3	(100)	-	-	-	-	-	159.3
Cleary	129.1	(100)	-	-	-	-	-	129.1
Concordia Lutheran	355.2	(100)	-	-	-	-	-	355.2
Cooley Law School	150.3	(72.5)	57.0	-	-	-	-	207.3
Cranbrook	915.7	(100)	-	-	-	-	-	915.7
Davenport	77.5	(100)	-	-	-	-	-	77.5
Det. Bible Coll.	189.9	(100)	-	-	-	-	-	189.9
Det. Coll. of Bus.	14.0	(100)	-	-	-	-	-	14.0
Det. Coll. of Law	32.0	(100)	-	-	-	-	-	32.0
Det. Inst. of Tech.	105.2	(86.2)	-	16.9	-	-	-	122.1
Duns Scotus	1,808.6	(100)	-	-	-	-	-	1,808.6
Faithway	NA		NA	NA	NA	NA	NA	NA
G. M. Institute	157.0	(100)	-	-	-	-	-	157.0
Grace Bible	383.3	(100)	-	-	-	-	-	383.3

TABLE IX (continued)

Independent Institutions:
Building Inventory Condition - 1974
Assignable Square Feet/FTE

Institution	Satisfactory	(%)	Remodel A	Remodel B	Remodel C	Demolish	Terminate	Total
Grand Rapids Baptist	149.2	(100)	-	-	-	-	-	149.2
Great Lakes Bible	84.8	(100)	-	-	-	-	-	84.8
Hillsdale	412.0	(100)	-	-	-	-	-	412.0
Hope	221.7	(68.7)	34.4	12.1	27.2	-	-	322.6
John Wesley	385.8	(99.2)	2.4	-	-	0.9	-	389.1
Kalamazoo	322.0	(93.1)	23.9	-	-	-	-	345.9
Lawrence Inst.	38.8	(100)	-	-	-	-	-	38.8
Madonna	238.0	(99.5)	1.2	-	-	-	-	239.2
Marygrove	335.9	(97.1)	-	5.1	-	-	4.8	345.8
Mercy	168.9	(90.9)	17.0	-	-	-	-	NA
Merrill-Palmer	NA		NA	NA	NA	NA	NA	NA
Mich. Christian	492.7	(85.9)	-	34.8	-	23.2	-	573.9
Muskegon Bus.	35.5	(100)	-	-	-	-	-	35.5
Nazareth	776.3	(100)	-	-	-	-	-	776.3
Northwood	193.7	(100)	-	-	-	-	-	193.7
Olivet	203.5	(63.3)	105.4	12.8	-	-	-	321.7
Reformed Bible	207.7	(100)	-	-	-	-	-	207.7
Sacred Heart	2,366.9	(100)	-	-	-	-	-	2,366.9
St. Mary's College	278.0	(19.5)	557.0	590.4	-	-	-	1,425.4
Shaw	49.0	(95.0)	2.6	-	-	-	-	51.6

TABLE IX (continued)

Independent Institutions:
Building Inventory Condition - 1974
Assignable Square Feet/FTE

Institution	Satisfactory	(%)	Remodel A	Remodel B	Remodel C	Demolish	Terminate	Total
Siena Heights	216.8	(100)	-	-	-	-	-	216.8
Soc. of Arts & Crafts*	32.6	(69.2)	-	-	-	14.5	-	47.1
Spring Arbor	239.5	(93.7)	10.0	-	-	-	3.5	253.0
Suomi	166.8	(64.7)	-	26.7	56.8	7.5	-	257.8
U. of D.	NA		NA	NA	NA	NA	NA	NA
Walsh	32.0	(100)	-	-	-	-	-	32.0
Western Theo.	333.1	(100)	-	-	-	-	-	333.1
Statewide Average	154.8	(92.8)	6.4	2.8	2.4	0.3	0.1	166.8

*College of Art and Design-Center for Creative Studies

colleges and universities, and Table VI (page 16) provides data as to expenditures/FTE for physical plant operation and maintenance.

On a statewide average, independent institutions appear to have less assigned square feet/FYES (166.8) than is the case for public baccalaureate institutions (207.3), and also expend considerably less per student on physical plant operation and maintenance ($288/FTE vs. $393/FYES).[7]

These comparative figures on a statewide basis may in part reflect the fact that independent institutions have considerably less financial support available per student for physical facilities and their maintenance/operation than independent institutions. However, when comparing individual independent institutions with individual public institutions, the differences may in part also reflect differential institutional roles, program mix, recent enrollment trends, condition of existing facilities, operating efficiency, or other factors.

For example, when the major public research universities are excluded from the statewide totals, public institutions average 158.6 assigned square feet/FYES student and expend $289/FYES on operation and maintenance, which are levels very similar to those of the independents (166.8 square feet and $288 respectively). Secondly, the independent figures on an institution by institution basis vary substantially from the statewide average, reflecting the distinctions noted above. Finally, overall the condition of physical facilities as reported by the independent institutions appears to be considerably better than at public institutions with 92.8% of assigned square feet classified as satisfactory vs. 75.6%

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7) For detailed data on public baccalaureate institutions, see Weston H. Agor, Financing of Public Baccalaureate Institutions in Michigan. . . . , op. cit., pp. 27-37.

for public institutions. This might suggest that the need for expenditures to maintain and operate existing facilities at independent institutions would not be quite as severe as for public institutions, although the need would still be substantial in view of current construction/fuel and utility costs.[8]

Public Policy Implications of Projections to 1980 and 1985

The maintenance of a strong and vigorous independent higher education system in Michigan will require a substantial commitment in the future - not only in terms of private support, but also in public support. Major programs such as tuition grants, degree reimbursement, and the Facilities Authority activities will have to double by 1980, and double again by 1985 if just present levels of program activity are to be maintained - much less improved.

There are a number of very important alternative policies that key decision-makers will need to consider as a result of these trends. One option would be to allocate a greater percentage of state general purpose expenditures to the programs mentioned above in order to enable Michigan citizens to exercise some freedom of choice in selecting a Michigan higher education institution they wish to attend. This will require an evaluation of such major questions as:

- are independent colleges and universities worth preserving?
- is providing Michigan citizens with the ability to freely choose the higher education institution they wish to attend worth preserving and enhancing?

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8) See the Boeckh New Construction Price Index and other cost figures in D. Kent Halstead, Higher Education Prices and Price Indexes and 1975 Supplement (Washington, D.C.: Government Printing Office, 1975).

- are the relative costs to the Michigan taxpayer of supporting independent vs. public higher education worthy of consideration?

Another sensible option would be a total review of Michigan's present higher education system (independent and public) from a statewide perspective. The objective of this review would be to help insure that (1) as many educational needs of all Michigan's citizens are being met as funds provide for, and that (2) the delivery of educational programs is as effective/efficient as it can be.

This statewide review would address the questions raised above, and also include the development of a revised State Plan for Higher Education (now more than six years out-of-date), an examination of independent and public institutions' role statements (separately and in relationship with each other), an examination of existing program offerings in light of these role statements and projected manpower needs, and the analysis of the viability of existing independent and public institutions, (which might possibly result among other things in a recommendation for more cooperation between independent institutions; the development of additional cooperative arrangements between public and independent institutions than already exist such as regional consortia).

APPENDIX

TABLE X

INDEPENDENT COLLEGES AND UNIVERSITIES: EXPENDITURES BY PROGRAM ACTIVITY - 1965-1974 ($)

TOTAL EDUCATION AND GENERAL EXPENDITURES

Institution	1965-1966	1966-1967	1967-1968	1968-1969	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974
Adrian	NA	1,900,679	2,113,777	2,394,361	2,683,080	3,146,682	3,240,934	3,093,463	3,127,262
Albion	2,980,159	3,542,139	3,807,304	4,030,131	4,567,949	4,784,477	4,849,124	4,793,109	NA
Alma	NA	NA	2,176,670	2,432,803	2,737,916	3,004,207	3,235,595	3,549,485	3,757,987
Andrews	2,398,645	2,892,006	3,305,099	3,868,989	4,296,278	4,768,909	5,436,402	5,562,376	6,454,642
Aquinas	1,100,721	1,260,451	1,487,145	1,664,378	2,114,418	2,359,563	2,422,243	2,690,157	3,076,898
Calvin	2,501,720	3,181,525	3,779,277	4,347,343	4,964,066	5,326,236	5,299,271	5,477,926	6,068,035
Calvin Sem.	NA	NA	NA	317,062	350,243	394,766	403,539	445,750	508,677
Cleary	NA	NA	NA	402,179	NA	477,861	471,179	500,722	547,132
Concordia L.	600,565	657,664	675,042	690,066	774,748	781,889	839,752	873,282	910,203
Cooley	NA	NA	NA	NA	NA	NA	NA	NA	610,940
Cranbrook	NA	11,495	513,738	434,736	450,530	554,078	705,935	687,049	612,604
Davenport	439,629	518,335	608,084	856,284	886,617	1,110,266	1,441,758	1,474,199	1,528,029
Detroit Bible	223,100	234,016	232,795	281,866	318,587	358,905	347,866	360,241	375,170
Det.Coll. Bus.	NA	NA	306,820	509,159	725,827	794,312	791,965	841,991	902,834
Det.Coll. Law	NA	301,703	309,000	381,000	385,550	505,548	693,457	809,151	880,567
D.I.T.	NA	1,442,479	1,514,439	1,488,390	1,390,285	1,480,494	1,657,271	2,021,415	2,946,341
Duns Scotus	183,241	216,887	234,987	300,690	304,173	400,449	430,042	391,426	441,477
Faithway Bap.	NA	NA	NA	NA	NA	NA	NA	NA	48,550
G.M.I.	8,334,389	9,100,657	10,942,513	NA	NA	NA	NA	NA	NA
Grace Bible	NA	NA	140,239	141,230	175,338	NA	231,955	245,825	245,825
G.R. Baptist	332,767	337,846	471,052	557,600	692,922	778,952	919,809	1,057,156	1,202,488
Great Lakes BC	NA	NA	NA	NA	NA	NA	NA	NA	344,006
Hillsdale	1,387,921	1,772,156	2,291,652	2,519,380	2,647,055	2,712,496	2,999,729	3,517,262	3,196,211
Hope	1,941,343	2,648,013	3,150,381	3,462,837	3,766,648	4,772,653	4,778,665	4,984,221	5,583,904
John Wesley	162,308	235,376	235,686	299,442	247,372	391,073	418,643	786,358	2,344,000

TABLE X, INDEPENDENT COLLEGES AND UNIVERSITIES: EXPENDITURES BY PROGRAM ACTIVITY - 1965-1974 ($)
TOTAL EDUCATION AND GENERAL EXPENDITURES (Continued)

Institution	1965-1966	1966-1967	1967-1968	1968-1969	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974
Kalamazoo	NA	2,571,844	2,913,142	3,143,933	3,353,465	3,464,790	3,690,530	3,804,000	4,336,825
L.I.T.	1,403,042	1,481,927	1,629,444	1,942,561	2,742,443	2,814,898	2,741,520	2,767,991	2,965,515
Madonna	NA	NA	658,187	600,214	660,801	658,193	681,843	901,963	1,055,341
Marygrove	1,391,937	1,598,850	1,763,265	1,698,134	1,767,284	1,971,163	2,173,963	2,031,334	2,058,135
Mercy	1,421,638	1,635,183	1,843,827	1,893,694	1,971,178	2,172,402	2,876,267	3,150,367	3,478,598
Merrill-Palmer	NA	NA	NA	NA	1,052,777	841,331	923,891	967,682	NA
Mich.Christ.	NA	478,023	285,676	317,926	326,517	NA	468,380	389,358	402,915
Muskegon Bu .	202,747	212,793	229,928	281,159	309,033	380,925	416,622	422,099	398,849
Nazareth	747,048	858,247	1,100,556	1,227,834	1,239,973	1,345,724	1,592,669	1,778,298	1,648,301
Northwood	1,084,682	1,813,711	1,746,919	1,609,394	1,033,287	2,429,552	2,073,277	2,312,574	2,829,824
Olivet	997,815	1,166,195	1,294,610	1,498,445	1,724,016	1,906,599	1,895,577	2,026,159	2,030,783
Reformed Bib.	NA	126,489	151,000	199,000	117,400	206,167	244,260	261,403	309,003
Sacred Heart	436,000	467,058	425,200	687,500	584,400	741,500	746,800	650,600	642,940
Saint Mary's	NA	178,800	NA	239,539	170,443	375,720	463,651	370,806	398,086
Shaw	NA	NA	NA	NA	565,157	859,690	NA	1,273,754	2,438,324
Siena Heights	NA	840,379	881,002	1,075,690	834,248	1,135,556	1,234,671	1,487,432	1,733,530
Soc.Arts & Cfts.	NA	476,195	560,106	605,700	645,968	881,638	919,821	878,581	970,457
Spring Arbor	507,830	648,164	800,190	937,165	1,137,425	1,297,137	1,430,358	1,542,003	1,771,913
Suomi	362,187	527,482	578,898	667,216	651,900	715,283	854,743	810,159	853,809
U of D	9,381,101	10,129,567	10,720,426	12,347,641	13,922,993	15,210,351	14,480,502	15,140,377	16,066,977
Walsh Coll.	180,558	190,692	187,000	209,149	230,000	279,650	272,162	357,988	407,942
West.Theo.Sem.	249,474	306,690	311,499	349,590	384,056	369,086	344,628	408,891	396,184
STATE TOTAL	32,618,178	46,861,059	55,622,861	62,911,410	70,306,545	79,463,026	83,000,959	87,836,383	98,668,824

TABLE X

INDEPENDENT INSTITUTIONS: EXPENDITURES BY PROGRAM ACTIVITY - 1969-70 to 1973-74

INSTRUCTIONAL PROGRAM, PHYSICAL FACILITIES - OPERATION AND MAINTENANCE, OTHER EDUCATION AND GENERAL

	INSTRUCTIONAL PROGRAM				PHYSICAL FACILITIES, OPERATION & MAINTENANCE			
	1969-70	1972-73	1973-74	Index of 73/74 to 69/70	1969-70	1972-73	1973-74	Index of 73/74 to 69/70
Adrian	1,355,030	1,538,923	1,547,037	114.2	417,910	465,649	466,333	111.6
Albion	2,355,391	2,543,887	NA	NA	787,697	905,450	NA	NA
Alma	1,507,215	1,809,310	1,907,452	126.6	391,158	466,212	511,464	130.8
Andrews	2,768,081	3,895,870	4,463,865	161.3	372,679	408,642	451,766	121.2
Aquinas	1,401,330	1,661,466	1,983,119	141.5	202,856	287,910	290,744	143.3
Calvin	3,053,022	3,423,786	3,692,603	120.9	549,332	595,113	803,943	146.3
Calvin Theol.	273,130	325,128	359,844	131.7	26,000	30,000	44,000	169.2
Cleary	NA	263,411	342,081	NA	NA	60,162	54,801	NA
Concordia	337,831	390,103	413,283	122.3	148,366	171,451	169,280	114.1
Cranbrook	108,949	310,045	234,390	215.1	196,270	195,461	225,013	114.6
Davenport	374,562	624,155	651,326	173.9	111,295	138,751	112,238	100.8
Detroit Bible	130,597	139,908	137,739	105.5	23,508	26,092	23,775	101.1
Det.Coll. of Bus.	359,608	490,661	501,456	139.4	22,465	96,032	97,355	433.4
Det.Coll. of Law	301,161	644,786	677,496	225.0	33,874	62,892	79,410	234.4
Det.Inst. of Tech.	881,079	1,127,178	1,262,320	143.3	154,168	177,975	324,571	210.5
Duns Scotus	181,324	195,599	181,480	100.1	70,945	95,610	139,803	197.1
Faithway Baptist	NA	NA	34,550	NA	NA	NA	14,000	NA
Grace Bible	78,367	115,511	127,717	163.0	13,785	13,845	17,955	130.3
Grand Rapids Baptist	335,279	532,583	626,521	186.9	75,615	115,957	120,543	159.4
Great Lakes Bible			15,403	NA	NA	NA	84,010	NA
Hillsdale	1,286,311	1,627,035	1,686,078	131.1	386,361	504,996	403,483	104.4
Hope	2,369,923	2,838,912	3,008,525	126.9	374,158	622,254	789,483	211.0
John Wesley	82,031	NA	641,300	781.8	32,975	NA	141,500	429.1
Kalamazoo	2,282,734	2,380,513	2,723,090	119.3	393,763	544,635	602,130	152.9
Lawrence Tech.	1,423,501	1,641,982	1,702,339	119.6	411,718	496,760	583,482	141.7

TABLE X - INDEPENDENT INSTITUTIONS: EXPENDITURES BY PROGRAM ACTIVITY - 1969-70 to 1973-74
INSTRUCTIONAL PROGRAM, PHYSICAL FACILITIES - OPERATION AND MAINTENANCE, OTHER EDUCATION AND GENERAL (Cont'd.)

	INSTRUCTIONAL PROGRAM				PHYSICAL FACILITIES, OPERATION & MAINTENANCE			
	1969-70	1972-73	1973-74	Index of 73/74 to 69/70	1969-70	1972-73	1973-74	Index of 73/74 to 69/70
Madonna	359,494	335,825	504,850	140.4	77,955	109,780	140,894	180.7
Marygrove	933,089	904,589	937,325	100.5	290,252	443,084	407,648	140.4
Mercy	892,986	1,216,926	1,542,032	172.7	260,514	515,053	488,146	187.4
Merrill Palmer	308,626	263,051	NA	NA	209,827	202,332	NA	NA
Michigan Christian	153,742	155,688	221,541	144.1	50,991	87,741	70,121	137.5
Muskegon	103,669	219,038	204,942	197.7	53,891	59,613	49,267	91.4
Nazareth	642,856	825,858	773,957	120.4	91,920	168,644	292,667	318.4
Northwood	514,798	493,102	590,665	114.7	135,978	264,449	300,507	221.0
Olivet	891,845	1,074,874	1,083,951	121.5	265,815	317,262	348,504	131.1
Reformed Bible	100,800	132,948	148,290	147.1	16,600	26,218	22,974	138.4
Sacred Heart	198,000	199,800	204,600	103.3	256,600	302,600	305,050	118.9
St. John's	126,795	NA	NA	NA	229,111	NA	NA	NA
St. Mary's	86,443	161,638	192,640	222.9	84,000	86,308	85,277	101.5
Shaw	403,042	NA	516,062	128.0	23,678	NA	117,020	494.2
Siena Heights	519,355	834,326	853,926	164.4	128,909	199,481	219,828	170.5
Soc. of Arts & Crafts	370,865	518,848	547,765	147.7	42,990	86,085	99,904	232.4
Spring Arbor	665,638	797,398	910,597	136.8	113,720	184,520	210,302	184.9
Suomi	455,702	201,765	252,442	55.4	129,549	104,216	119,774	92.5
Tho.M.Cooley Law Sch.	NA	NA	336,000	NA	NA	NA	110,000	NA
Univ. of Detroit	8,374,742	9,062,918	10,872,736	129.8	1,401,456	1,535,690	1,650,898	117.8
Walsh College	96,000	124,853	134,689	140.3	23,000	26,980	29,254	127.2
Western Theol.	228,306	255,872	235,622	103.2	34,364	38,047	37,485	109.1
Statewide Totals	39,673,249	46,300,069	52,919,379	133.4	7,857,018	11,239,952	12,791,163	162.8

* When current data is not available most recent data is used whenever possible

TABLE X

INDEPENDENT INSTITUTIONS: EXPENDITURES BY PROGRAM ACTIVITY - 1969-70 to 1973-74

INSTRUCTIONAL PROGRAM, PHYSICAL FACILITIES-OPERATION AND MAINTENANCE, OTHER EDUCATION & GENERAL (Cont'd.)

	OTHER EDUCATION AND GENERAL			
	1969-70	1972-73	1973-74	Index of 73/74 to 69/70
Adrian	910,140	1,088,891	1,089,901	119.8
Albion	1,271,941	1,336,138	NA	NA
Alma	839,543	971,822	1,048,397	124.9
Andrews	1,093,528	1,150,948	1,391,152	127.2
Aquinas	510,232	709,805	697,479	136.7
Calvin	983,976	1,139,951	1,239,844	126.0
Calvin Theological	51,113	90,622	104,833	205.1
Cleary	NA	177,149	150,250	NA
Concordia	288,551	311,728	327,640	113.5
Cranbrook	145,311	181,543	153,201	105.4
Davenport	400,760	530,835	632,592	157.8
Detroit Bible College	164,482	187,326	213,656	129.9
Detroit College of Business	343,754	255,298	304,023	88.4
Detroit College of Law	50,595	101,473	123,661	244.8
Detroit Institute of Technology	355,038	716,262	977,045	275.2
Duns Scotus	51,904	100,217	120,194	231.6
Faithway Baptist	NA	NA	NA	NA
Grace Bible	83,186	116,469	100,153	120.4
Grand Rapids Baptist	282,028	408,616	455,424	161.5
Great Lakes Bible	NA	NA	244,593	NA
Hillsdale	974,383	1,385,231	1,106,650	113.6
Hope	677,352	1,127,818	1,349,035	199.2
John Wesley	132,366	NA	1,561,200	1179.5
Kalamazoo	655,532	797,156	1,011,605	154.3
Lawrence Inst. of Technology	907,224	629,249	679,694	74.9

TABLE X

INDEPENDENT INSTITUTIONS: EXPENDITURES BY PROGRAM ACTIVITY - 1969-70 to 1973-74
INSTRUCTIONAL PROGRAM, PHYSICAL FACILITIES - OPERATION AND MAINTENANCE, OTHER EDUCATION & GENERAL (Cont'd.

	OTHER EDUCATION AND GENERAL			
	1969-70	1972-73	1973-74	Index of 73/74 to 69/70
Madonna	223,352	301,313	387,761	173.6
Marygrove	543,943	683,661	713,162	131.1
Mercy	611,977	1,197,167	1,063,476	173.8
Merrill-Palmer	534,324	502,299	NA	NA
Michigan Christian	121,784	145,929	111,253	91.4
Muskegon Business	151,473	143,448	144,640	95.5
Nazareth	505,197	783,796	574,265	113.7
Northwood	297,839	1,555,023	1,938,652	650.9
Olivet	565,892	634,023	598,328	105.7
Reformed Bible	NA	102,237	137,739	NA
Sacred Heart	129,800	112,400	115,790	89.2
St. John's	NA	NA	NA	NA
St. Mary's	NA	122,860	120,169	NA
Shaw	138,437		1,419,136	1025.1
Siena Heights	178,962	453,625	659,776	368.7
Society of Arts & Crafts	232,113	273,648	322,788	139.1
Spring Arbor	358,067	545,585	635,510	177.5
Suomi	66,649	486,100	481,593	722.6
Thomas M. Cooley Law School	NA	NA	157,740	NA
University of Detroit	3,049,949	3,825,954	2,908,930	95.4
Walsh	111,000	206,155	236,561	213.1
Western Theological	121,386	114,972	123,077	101.4
Statewide Totals	19,115,003	25,704,742	29,771,005	152.5

* When current data is not available, most recent data is used whenever possible

TABLE XI

INDEPENDENT COLLEGES AND UNIVERSITIES: TOTAL EDUCATION AND GENERAL REVENUES 1965-1974 ($)

Institution	1965-1966	1966-1967	1967-1968	1968-1969	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974
Adrian	NA	1,878,277	2,202,397	2,510,973	2,585,543	2,976,009	3,008,373	2,928,118	3,194,083
Albion	2,906,228	3,343,854	3,770,563	4,229,372	4,827,202	4,848,232	4,927,964	5,121,699	NA
Alma	NA	NA	2,081,912	2,394,242	2,756,347	3,067,198	3,229,600	3,579,145	3,732,517
Andrews	2,509,412	3,108,841	3,576,186	4,242,870	4,546,908	4,946,670	5,674,955	5,747,931	6,563,143
Aquinas	1,135,264	1,595,204	1,696,239	1,972,782	2,058,925	2,409,575	2,730,865	3,060,897	3,462,649
Calvin	2,465,109	3,117,044	3,675,151	4,327,215	5,941,208	6,245,193	6,476,379	6,488,741	7,097,024
Calvin Seminary	NA	NA	NA	317,062	356,993	402,065	403,539	465,439	517,993
Cleary	NA	NA	NA	413,390	NA	432,990	402,697	449,871	475,947
Concordia Luth.	563,679	617,605	663,992	682,763	707,507	787,336	806,198	859,096	958,703
Cooley Law	NA	NA	NA	NA	NA	NA	NA	NA	531,279
Cranbrook Acad.	NA	NA	407,110	464,704	557,258	609,007	590,870	665,010	662,833
Davenport	499,809	581,236	693,712	888,827	854,726	1,171,306	1,300,098	1,439,046	1,551,244
Detroit Bible	269,942	220,585	229,501	258,421	286,344	311,352	351,250	346,869	333,562
Det.Coll. of Bus.	NA	385,771	320,908	755,416	751,890	947,554	1,003,932	1,092,311	1,051,274
Det.Coll. of Law	NA	368,301	372,000	464,000	424,705	612,647	730,831	894,467	1,173,124
Det.Inst. of Tech.	NA	1,453,735	1,439,123	1,439,858	1,284,216	1,498,877	1,621,662	1,972,659	2,450,054
Duns Scotus	202,849	255,479	274,249	161,040	255,533	322,805	445,245	411,301	562,709
Faithway Baptist	NA	NA	NA	NA	NA	NA	NA	NA	31,500
G.M.I.	8,575,578	9,325,309	10,835,404	NA	NA	NA	NA	NA	NA
Grace Bible	NA	NA	125,225	152,532	169,891	NA	226,475	218,817	263,126
G.R. Baptist	406,488	324,984	472,973	516,100	673,317	816,674	949,917	1,067,688	1,227,637
Great Lakes Bible	NA	NA	NA	NA	NA	NA	NA	NA	143,221
Hillsdale	1,480,826	1,876,901	2,303,581	2,491,679	2,618,901	2,990,464	3,493,548	3,992,814	3,575,272
Hope	2,321,922	2,308,172	3,093,336	3,615,585	4,266,519	4,727,677	4,845,009	5,454,873	4,859,969
John Wesley	211,531	235,400	246,838	255,896	234,478	246,272	286,825	932,349	678,400
Kalamazoo	NA	2,290,959	2,711,609	2,777,738	3,003,784	3,260,269	3,414,779	3,471,074	4,166,298
Lawrence In.Tech.	1,840,017	1,769,964	2,118,137	2,528,002	2,767,761	2,843,062	2,789,759	2,879,695	3,285,738

TABLE XI, INDEPENDENT COLLEGES AND UNIVERSITIES: TOTAL EDUCATION AND GENERAL REVENUES 1965-1974 ($) (Continued)

Institution	1965-1966	1966-1967	1967-1968	1968-1969	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974
Madonna	NA	NA	859,338	676,715	823,656	764,272	803,421	1,258,458	NA
Marygrove	1,540,774	1,700,287	1,780,693	1,496,484	1,332,015	1,513,332	1,769,128	1,935,012	2,170,554
Mercy	1,279,315	1,999,105	1,899,595	1,920,271	2,094,801	2,322,797	2,883,026	3,283,512	3,850,582
Merrill-Palmer	NA	NA	NA	NA	871,679	885,375	911,797	985,627	985,627
Mich. Christian	NA	717,289	347,065	349,992	343,505	NA	442,272	408,383	542,518
Muskegon Bus.	227,909	272,421	256,309	317,205	376,507	434,566	414,711	440,537	245,909
Nazareth	752,013	831,533	972,258	1,057,327	1,097,250	1,098,667	1,435,941	1,636,740	1,677,268
Northwood	1,964,532	1,491,859	2,050,641	1,644,544	1,453,275	2,010,318	1,685,163	2,172,038	2,797,772
Olivet	971,522	1,110,163	1,377,290	1,551,262	1,694,176	1,864,483	2,072,719	2,087,084	2,253,488
Reformed Bible	NA	68,634	136,000	155,300	249,500	206,167	246,995	292,630	343,587
Sacred Heart	434,780	633,236	511,085	692,800	808,770	824,300	746,800	764,200	693,880
Saint Mary's	NA	211,264	NA	384,056	408,814	375,720	483,595	367,193	411,088
Shaw	NA	NA	NA	NA	497,193	646,572	NA	1,867,712	2,438,324
Siena Hts.	NA	960,796	1,058,110	996,921	925,846	1,037,158	1,292,535	1,607,689	1,852,896
Soc.of Arts & Cfts.	NA	430,243	533,847	572,709	775,949	904,660	908,693	860,567	911,858
Spring Arbor	558,376	676,326	799,753	917,641	1,119,318	1,298,435	1,480,000	1,627,249	1,844,892
Suomi	373,973	538,046	577,227	673,463	717,739	827,773	948,630	922,543	940,947
U of D	8,317,859	10,608,187	10,669,313	12,694,870	13,514,884	15,765,117	15,757,067	16,411,264	16,751,202
Walsh College	193,751	201,784	212,000	193,260	197,600	184,579	346,453	341,173	402,404
West. Theo. Sem.	257,250	312,014	319,039	328,737	343,799	391,108	399,005	426,231	389,114
STATE TOTAL	33,684,130	48,495,499	67,880,978	64,439,024	71,989,623	80,342,029	98,705,293	93,235,752	100,627,366

* Most recent data is used where current year data is not available. GMI is not included in totals.

TABLE XII

INDEPENDENT INSTITUTIONS: PERCENT OF TOTAL ENROLLMENT COMPARED WITH PERCENT OF STATE COMPETITIVE SCHOLARSHIP AND TUITION GRANT DOLLARS RECEIVED

	Enrollment (%)	Competitive State Scholarship (%) And Tuition Grants
Adrian College	2.5	1.81
Albion College	4.0	3.81
Alma College	2.7	4.33
Andrews University	4.6	2.79
Aquinas College	2.7	4.47
Calvin College	7.1	8.48
Calvin Theological Seminary	0.3	----
Cleary College	0.9	0.25
Concordia Lutheran Jr. College	2.1	0.68
Cooley Law School	---	----
Cranbrook Academy of Art	0.3	0.09
Davenport College of Business	2.2	2.82
Detroit Bible College	0.5	0.02
Detroit College of Business	2.1	2.09
Detroit College of Law	2.0	0.57
Detroit Inst. of Technology	1.9	3.87
Duns Scotus College	0.1	.005
FaithWay Baptist College	---	----
General Motors Institute	7.2	0.12
Grace Bible College	0.2	0.03
Grand Rapids Baptist College	1.6	1.85
Great Lakes Bible College	0.3	0.02
Hillsdale College	2.3	0.85
Hope College	4.4	4.20
John Wesley College	0.8	1.71
Kalamazoo College	3.1	2.87
Lawrence Inst. of Technology	6.7	2.51
Madonna College	1.8	1.73
Marygrove College	1.6	3.07
Mercy College of Detroit	3.6	5.74
Merrill-Palmer Institute	0.2	----
Michigan Christian Jr. College	0.4	0.80
Muskegon Business College	0.9	1.41
Nazareth College	1.0	1.87
Northwood Institute	2.9	2.14
Olivet College	1.7	4.16
Reformed Bible College	0.4	0.04
Sacred Heart Seminary	0.2	0.03
Saint Mary's College	0.2	0.04
Shaw College at Detroit	2.2	3.83

TABLE XII, INDEPENDENT INSTITUTIONS: PERCENT OF TOTAL ENROLLMENT COMPARED WITH PERCENT OF STATE COMPETITIVE SCHOLARSHIP AND TUITITON GRANT DOLLARS RECEIVED (CONTINUED)

	Enrollment (%)	Competitive State Scholarship (%) And Tuition Grants
Siena Heights College	1.5	1.71
Society of Arts and Crafts	1.0	0.83
Spring Arbor College	1.6	2.88
Suomi College	0.7	1.34
University of Detroit	14.5	18.00
Walsh College of Accountancy	0.8	0.13
Western Theological Seminary	0.2	----
TOTAL	100.0	100.00

TABLE XIII
INDEPENDENT COLLEGES AND UNIVERSITIES
COMPETITIVE STATE SCHOLARSHIPS AND TUITION GRANTS

Institution	1965-1966	1966-1967	1967-1968	1968-1969	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974
Adrian	14,555	39,210	28,692	129,460	175,430	192,935	175,661	149,699	187,146
Albion	37,286	89,585	46,300	276,310	372,166	297,655	282,713	294,185	393,447
Alma	34,670	68,434	30,418	266,882	391,237	345,156	343,904	319,317	447,172
Andrews	27,580	60,570	18,818	172,371	218,724	201,769	218,794	209,343	288,357
Aquinas	45,790	106,530	49,780	315,745	373,209	347,195	326,880	345,164	461,562
Calvin	82,153	209,876	108,030	730,922	979,894	855,986	798,617	697,852	875,419
Calvin Sem.	-	-	-	-	-	-	-	-	-
Cleary	-	2,735	605	17,477	9,300	13,298	18,174	19,149	25,705
Concordia	230	2,810	5,540	7,668	12,998	17,782	26,716	43,787	69,823
Cranbrook	-	-	-	350	--	4,000	3,200	8,277	9,000
Davenport	-	75,332	7,340	132,312	147,912	173,992	203,382	232,280	291,587
Detroit Bible	-	380	468	1,014	2,642	2,320	4,769	2,966	2,575
Det.Coll. of Bus.	210	2,350	1,880	39,672	81,400	110,246	137,441	134,719	215,623
Det.Coll. of Law	-	-	-	-	-	6,050	18,570	39,345	58,640
Det.Inst. of Tech.	190	10,180	1,980	63,105	93,900	83,165	72,892	176,670	399,525
Duns Scotus	-	-	-	-	-	970	470	540	510
Gen. Motors Inst.	5,566	38,285	5,350	63,796	13,255	14,765	12,725	14,795	12,901
Grace Bible	-	384	-	260	1,268	504	300	2,700	3,362
Gr. Rapids Bap.	-	19,722	14,520	40,605	76,018	99,188	106,245	121,421	191,445
Great Lakes Bible	-	-	-	-	-	-	534	267	1,821
Hillsdale	3,890	6,020	6,170	25,329	44,948	47,962	51,987	66,286	87,548
Hope	41,235	70,030	33,800	291,237	393,412	359,195	347,697	335,607	433,443
John Wesley	-	-	-	-	-	-	-	115,254	176,973
Kalamazoo	52,390	76,621	48,765	197,343	248,497	212,360	219,273	216,535	296,384
Law.Inst.of Tech.	600	82,598	3,760	256,905	257,450	239,952	247,993	284,175	259,240

TABLE XIII, INDEPENDENT COLLEGES AND UNIVERSITIES: COMPETITIVE STATE SCHOLARSHIPS AND TUITION GRANTS (Continued)

Institution	1965-1966	1966-1967	1967-1968	1968-1969	1969-1970	1970-1971	1971-1972	1972-1973	1973-1974
Madonna	3,390	28,095	2,800	66,225	76,780	63,705	66,160	87,040	178,895
Marygrove	34,625	59,273	22,350	173,882	214,804	231,547	217,519	226,145	317,040
Mercy	5,655	60,910	16,932	163,763	234,940	309,262	343,387	122,550	592,785
Merrill Palmer	-	-	-	-	864	-	600	-	-
Mich. Christian	1,600	17.820	15,580	28,594	34.636	39.894	41,096	42,760	81,180
Muskegon Bus.	-	3,089	3,644	4,571	29,871	57,430	59,103	77,316	145,332
Nazareth	5,390	23,759	7,160	78,338	102,377	108,502	106,822	136,034	193,288
Northwood	800	48,407	2,120	79,047	83,945	77,894	86,335	131,475	220,903
Olivet	10,890	32,640	16,850	143,530	216,980	239,108	251,247	294,715	429,387
Reformed Bible	-	-	-	-	-	140	830	1,560	3,680
Sacred Heart	1,620	7,305	8,970	8,865	11,700	6,085	7,535	4,210	3,510
Saint Mary's	-	-	-	305	150	-	-	1,200	4,460
Shaw College	-	-	-	-	65,024	66,682	98,996	154,403	395,377
Siena Heights	5,810	22,295	6,300	54,485	60,725	64,761	78,035	107,980	176,229
Soc. of Arts	-	6,925	-	19,795	26,794	30,912	39,161	50,210	85,565
Spring Arbor	4,539	48,560	6,315	129,681	189,838	227,549	218,224	236,088	297,618
Suomi	5,371	29,860	4,450	61,397	87,440	90,003	103,990	112,080	138,820
U of D	143,069	207,636	130,285	970,672	1,372,053	1,503,886	1,474,144	1,521,543	1,855,841
Walsh	-	6,850	-	18,567	12,075	3,341	8,908	17,995	12,975
West. Theo.	-	-	-	-	-	-	-	-	-
Statewide Totals	569,104	1,565,076	645,572	5,030,480	6,714,596	6,752,446	9,219,127	7,505,897	10,322,093
Actual Dollars Per FTE ($)	14.92	36.64	15.50	118.60	159.57	159.99	213.48	168.94	216.25

Source: Student Financial Assistance Services, Michigan Department of Education

TABLE XIV

INDEPENDENT INSTITUTIONS: AVERAGE TUITION AND FEES 1964-1976 (UNDERGRADUATE)

Institution	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76
Adrian	$ 860	$ 950	$1070	$1232	$1350	$1600	$1693	$1770	$1918	$2002	$2118	$2288
Albion	1135	1335	1320	1520	1670	1920	1930	2050	2200	2320	2485	2771
Alma	1000	1125	1200	1245	1380	1475	1687	1827	1917	2081	2272	2553
Andrews	840	900	900	1101	1245	1410	1500	1635	1755	1911	2106	2346
Aquinas	680	790	790	980	1240	1240	1390	1590	1790	1915	2060	2260
Art School/Center for Creative Stud.	---	---	---	---	1000	1005	1155	1400	1480	1550	1750	1950
Baker Jr.Coll.of Bus.	---	---	---	---	---	---	---	---	---	---	1260	1260
Calvin	800	800	870	970	1050	1260	1400	1500	1580	1690	1780	1960
Cleary	---	---	535	525	690	785	915	1050	1170	1200	1275	1525
Concordia	---	310	330	580	585	510	525	570	705	1045	1125	1200
Cranbrook	---	---	900	900	1200	1220	1546	1530	1730	1946	2146	2400
Davenport	---	---	630	780	850	930	1080	1080	1200	1350	1440	1560
Delima J.C.	---	---	640	640	650	925	925	---	---	---	---	---
Det. Bible Coll.	---	---	380	468	468	596	670	734	798	798	864	1023
Det. Bus. Coll.	---	760	760	870	900	900	1137	1137	1285	1281	1473	1473
Det. Coll. of Law	---	---	570	600	600	700	800	800	1010	1210	1500	1510
Det. Conservatory/ Lewis Coll. of Bus.	---	---	650	---	---	---	---	---	---	---	1391	1383
Det.Inst.Mus.Art	---	---	500	500	500	---	---	---	---	---	---	---
Det. Inst. of Tech.	731	731	790	810	810	1090	1110	1170	1100	1352	1352	1440
Duns Scotus	65	500	500	500	2000	1200	1200	1200	1400	1400	1400	1400
Gen. Motors Inst.	724	724	774	774	824	840	915	990	990	915	990	852
Grace Bible	---	---	384	414	414	507	527	672	600	700	710	785
G.R. Baptist	---	592	592	704	818	900	980	1084	1190	1288	1450	1590
Great Lakes Bible	---	---	---	---	---	---	---	---	1269	714	976	972
Hillsdale	1185	1185	1185	1420	1769	1969	2169	2169	2390	2588	2588	2834

TABLE XIV, INDEPENDENT INSTITUTIONS: AVERAGE TUITION AND FEES 1964-1976 (UNDERGRADUATE) (Continued)

Institution	1964-65	1965-66	1966 67	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76
Hope	950	950	950	1050	1260	1460	1665	1845	1970	2065	2210	2395
John Wesley	---	616	616	750	780	1030	1095	1332	1350	1940	2040	2100
Jordan	---	---	---	---	---	---	---	---	---	855	1035	1025
Kalamazoo	1065	1170	1170	1335	1550	1515	1620	1725	1725	1950	2400	2700
Law. Inst.of Tech.	---	600	600	645	720	795	840	900	960	1020	1080	1140
Mackinac	---	---	1500	---	1500	1650	1650	---	2000	2000	---	---
Madonna	550	550	550	600	600	700	800	900	1000	1600	1600	1118
Maryglade/Faithway	---	---	350	500	500	500	500	500	500	600	900	900
Marygrove	785	785	900	900	900	900	1200	1450	1490	1810	1810	2050
Mercy	700	775	890	864	950	1040	1200	1350	1470	1550	1660	1700
Merrill-Palmer	300	540	540	540	540	840	840	1200	1200	1440	1650	1800
Mich. Christian	---	828	957	984	1035	1035	1065	1128	1206	1300	1358	1366
Muskegon Bus.	---	---	623	681	775	925	925	1000	1045	1225	1200	1365
Nazareth	690	780	780	880	955	1015	1235	1307	1460	1630	1800	2150
Northwood	---	990	990	975	1080	1305	1455	1500	1560	1770	1860	2010
Olivet	995	995	1060	1200	1350	1500	1710	1825	1970	1975	2010	2200
Reformed B.C.	---	---	---	---	---	435	375	650	780	850	950	1180
Sacred Heart	180	180	670	670	670	680	780	835	800	800	845	800
Shaw (Mi.Lutheran)	---	---	672	768	798	876	846	975	1240	1500	1500	2500
St. Joseph's	---	---	174	---	---	---	---	---	---	---	---	---
St. Mary's	---	---	195	195	195	300	T&F & R&B listed as combined		1000	1200	1000	1000
Siena Heights	417	420	520	650	650	760	850	970	1200	1200	1550	1550
Spring Arbor	722	772	867	1030	1030	1180	1380	1550	1700	1700	1900	2050
Suomi	330	725	850	950	950	1350	1350	1720	1870	1970	2170	2470
T. Cooley Law Sch.	---	---	---	---	---	---	---	---	---	1600	1510	1510
U of D	864	960	1150	1150	1150	1400	1700	1700	1800	1950	2100	2350
Walsh	---	---	545	---	---	714	910	920	920	920	1010	1010
STATEWIDE AVERAGE	720	778	748	830	959	1042	1165	1268	1371	1482	1576	1704
RANGE	65-1185	180-1335	174-1500	195-2000	305-1670	300-1969	375-2169	650-2169	500-2390	600-2588	710-2588	785-2834
% INCREASE LAST YEAR	0%	8%	-4%	11%	16%	9%	12%	9%	8%	8%	6%	8%
% INC. FIRST YEAR	0%	0%	4%	15%	33%	45%	62%	76%	90%	106%	119%	137%

TABLE XV
INDEPENDENT INSTITUTIONS: 1974 CONDITION OF PHYSICAL FACILITIES
(ASSIGNABLE SQUARE FEET)

Institution	Satisfactory	Remodel A	Remodel B	Remodel C	Demolition	Termination	Total
Adrian	482,229						482,229
Albion	NA						NA
Alma	394,997			38,705			433,702
Andrews	NA						NA
Aquinas	243,763		3,910				247,673
Ctr. for Creative Stud.	14,540				6,464		21,004
Calvin	633,370						633,370
Calvin Theological	25,008						25,008
Cleary	54,592						54,592
Concordia Lutheran	157,364						157,364
Cooley Law School	63,580	24,100					87,680
Cranbrook	142,841						142,841
Davenport	95,413						95,413
Detroit Bible	41,581						41,581
Det. College of Bus.	31,693						31,693
Det. College of Law	29,210						29,210
Det. Inst. of Tech.	124,516		20,030				144,546
Duns Scotus	101,284						101,284
Faithway Baptist	NA						NA
General Motors Inst.	477,187						477,187
Grace Bible	41,777						41,777
Grand Rapids Baptist	112,200						112,200
Great Lakes Bible	30,770						30,770
Hillsdale	391,433						391,433
Hope	457,958	71,020	25,026	56,266			610,270
Jackson Business	11,500						11,500
John Wesley	173,621	1,100			424		175,145

TABLE XV. INDEPENDENT INSTITUTIONS: 1974 CONDITION OF PHYSICAL FACILITIES (ASSIGNABLE/SQUARE FEET) (Cont'd.)

Institution	Satisfactory	Remodel A	Remodel B	Remodel C	Demolition	Termination	Total
Kalamazoo	450,826	33,488					484,314
Lawrence Inst. of Tech.	129,112						129,112
Madonna	262,243	1,348					263,591
Marygrove	268,405		4,100			3,834	276,339
Mercy	279,162	28,138					307,300
Merrill Palmer	NA						NA
Michigan Christian	86,713		6,131		4,075		96,919
Muskegon Business	15,004						15,004
Nazareth	298,855						298,855
Northwood	273,729						273,729
Olivet	161,132	83,442	10,113				254,687
Reformed Bible	39,467						39,467
Sacred Heart	203,551						203,551
St. Mary's	26,128	52,360	55,501				133,989
Shaw	57,811	3,095					60,906
Siena Heights	201,385						201,385
Spring Arbor	186,092	7,775				2,707	196,574
Suomi	62,395		9,992	21,238	2,817		96,442
U of D	NA						NA
Walsh	13,869						13,869
Western Theological	39,966						39,966
STATEWIDE TOTAL	7,388,272	305,866	134,803	116,209	13,780	6,541	7,965,471